

Supplement S7 to:

Magmatic evolution and magma chamber conditions of the Alpehué tephra from Sollipulli volcano, Andean Southern Volcanic Zone, Chile/Argentina

Contributions to Mineralogy and Petrology. Freundt A, Strehlow K, Kutterolf S, Schindlbeck-Belo J.

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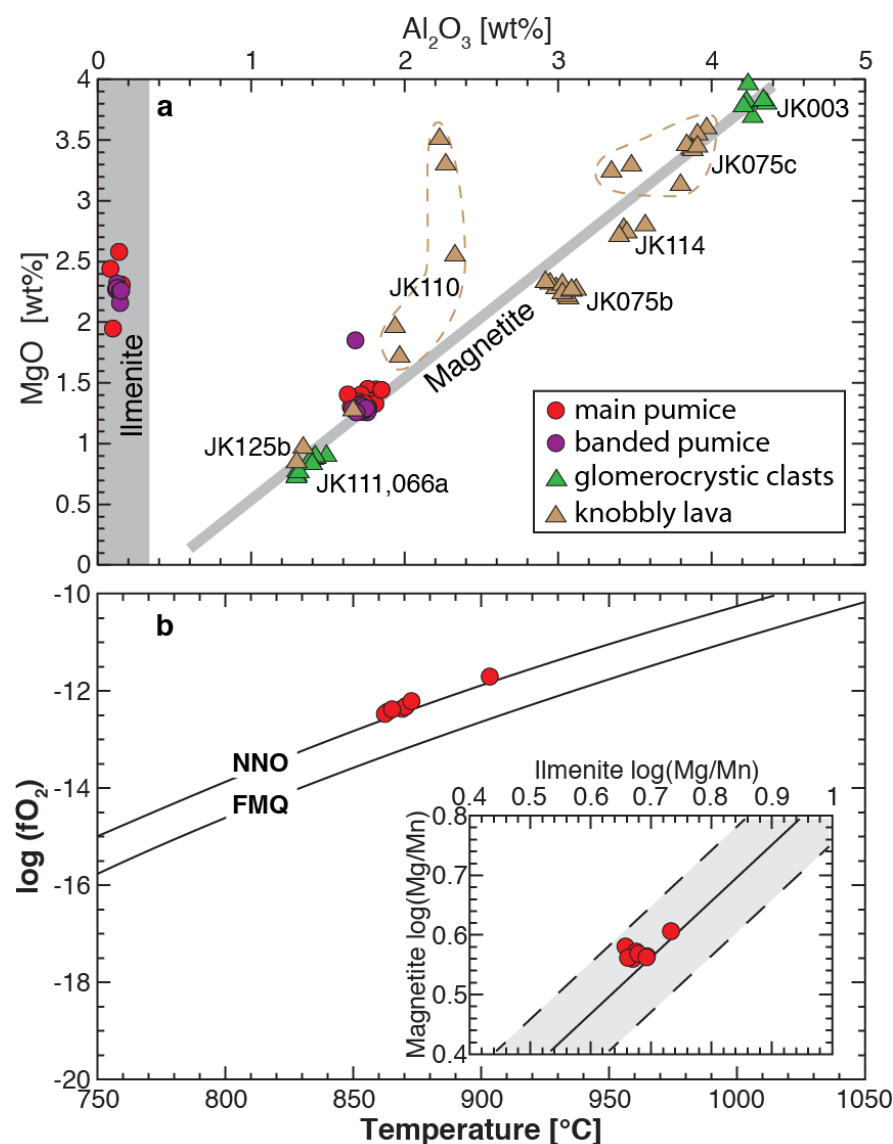


Fig. S7 (a) MgO versus Al₂O₃ variations of ilmenite and magnetite compositions. Bold gray line emphasizes linear correlation between MgO and Al₂O₃ in magnetites. (b) Logarithm of oxygen fugacity versus temperature. Black lines are fayalite-magnetite+quartz (FMQ) and Ni-NiO (NNO) buffer curves. T-fO₂ data for main pumice magnetite-ilmenite pairs are calculated after Anderson and Lindsley (1985). Inset figure shows equilibrium Mg/Mn partitioning between magnetite and ilmenite after Bacon and Hirschmann (1988) with the ±2σ errors (dashed lines) around the mean (solid line).